



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 21 81 34 09

Classification of the application (IPC):
H02M 7/48, H02M 1/00, H03K 17/0812, H03K 17/18

Technical fields searched (IPC):
H03K

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X A	DE 112018003834 T5 (MITSUBISHI ELECTRIC CORP [JP]) 09 April 2020 (2020-04-09) * paragraphs [0001], [0037] - [0039]; figures 2,3,8 *	1-4, 8-11 5-7, 12-14
X A	US 2017288385 A1 (NAKA YOSHITAKA [JP] ET AL) 05 October 2017 (2017-10-05) * paragraphs [0039] - [0066]; figures 1-3 *	1-4, 8-11 5-7, 12-14

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 22 April 2024	Examiner Meulemans, Bart
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 22-04-2024
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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
DE 112018003834 T5	09-04-2020	CN 110945789 A	31-03-2020
		DE 112018003834 T5	09-04-2020
		US 2020212906 A1	02-07-2020
		WO 2019021590 A1	31-01-2019
US 2017288385 A1	05-10-2017	CN 106688183 A	17-05-2017
		DE 112014006951 T5	24-05-2017
		JP 6351736 B2	04-07-2018
		JP WO2016038717 A1	06-07-2017
		KR 20170041852 A	17-04-2017
		US 2017288385 A1	05-10-2017
		WO 2016038717 A1	17-03-2016